

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	6608738-\$.DID. OR US-6603642-\$. DID. OR US-6159593-\$.DID. OR US-5657191-\$.DID. OR US-5598308-\$. DID. OR US-5583725-\$.DID. OR US-5408377-\$.DID. OR US-5313186-\$. DID. OR US-5134533-\$.DID. OR US-4949039-\$.DID.	US-PGPUB; USPAT	OR	OFF	2006/06/05 17:35
L2	1	"4103315".PN.	USPAT; USOCR	OR	OFF	2006/06/05 17:25
L3	9	("20030161077" OR "20030011944" OR "20020085323" OR "20020051380" OR "20020048128" OR "20010012187" OR "6608738" OR "5408377" OR "5341118").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/05 17:54
L4	48260	((spin adj bulb) or mr or mre or DOMR or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or g11b005/33.ipc or g11b005/127.ipc or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1))	EPO; JPO; DERWENT	OR	OFF	2006/06/05 17:57
L5	1015857	ruthenium or Ru or ferrimagnetic\$5 or ferri adj2 magnetic\$5 or antiparallel or anti adj parallel or ((antiferromagnetic or AFM or anti adj ferromagnetic\$5) adj2 coupling\$1) or APC or AAF or SAF or synthetic\$4 adj2 (antiferromagnet\$5 or anti adj ferromagnet\$5 coupling) or artificial adj2 (anti adj ferromagnet\$5 or antiferromagnet\$5) or MSSV or SSV or AP1 or AP2 or APC1 or APC2 or AFC or ((reference or keeper) near2 layer\$1)	EPO; JPO; DERWENT	OR	OFF	2006/06/05 18:02
L6	21901	exchange adj tab\$1 or AFM or antiferromag\$8 or anti adj ferromag\$6 or pinning or PtMn or FeMn or IrMn or FeMnRh or InMn or RhMn or RuMn or NiMn or PdPtMn or CrPdMn or NiO or Pt adj Mn or Fe adj Mn or Ir adj Mn or Fe adj Mn adj Rh or In adj Mn or Rh adj Mn or Ru adj Mn or Ni adj Mn or Pd adj Pt adj Mn or Cr adj Pd adj Mn or Ni adj O	EPO; JPO; DERWENT	OR	OFF	2006/06/05 17:58

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L7	12860	alternat\$3 near2 (magnetic or ferromagnetic or non adj magnetic or nonmagnetic) or rkky or (artificial adj2 lattice) or superlattice or ((oscillatory or oscilat\$4 or oscillat\$4) adj3 (interlayer or exchang\$3)) or ((anti adj parallel or antiparallel) near3 (magnetization\$1 or magnetisation\$1 or moment)) or multilayer\$3 near3 (magnetoresist\$5)	EPO; JPO; DERWENT	OR	OFF	2006/06/05 17:58
L8	2915	4 and 5	EPO; JPO; DERWENT	OR	OFF	2006/06/05 17:58
L9	743491	Cr or chromium	EPO; JPO; DERWENT	OR	OFF	2006/06/05 17:59
L10	1393	8 and 9	EPO; JPO; DERWENT	OR	OFF	2006/06/05 18:01
L11	768832	free	EPO; JPO; DERWENT	OR	OFF	2006/06/05 18:01
L12	153	10 and 11	EPO; JPO; DERWENT	OR	OFF	2006/06/05 18:01
L13	153	5 and 12	EPO; JPO; DERWENT	OR	OFF	2006/06/05 18:20
L14	4	(high adj coercivity) near4 (AFM or PtMn)	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:23
L15	24492	(mr or DOMR or mre or magneto adj (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj (resistiv\$3 or resistance\$1) or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)).ti,ab,clm. or "360/113" or 360/313-327.33.ccls. or 338/32\$2.ccls. or 324/207.21.ccls. or 324/252.ccls. or 365/171.ccls. or 365/173.ccls. or 428/811-811.5.ccls. or 148/108.ccls.	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:30
L16	966	((antiparallel or anti adj parallel or antiferromagnetic or AFM or anti adj ferromagnetic\$5) adj2 coupling\$1) or APC or SAF or synthetic\$4 adj2 (antiferromagnet\$5 or anti adj ferromagnet\$5 coupling) or AP1 or AP2 or APC1 or APC2 or AFC) same (Cr or chromium)	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:35

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L17	24492	(mr or DOMR or mre or magneto adj (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj (resistiv\$3 or resistance\$1) or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)).ti,ab,clm. or "360/113" or 360/313-327.33.ccls. or 338/32\$2.ccls. or 324/207.21.ccls. or 324/252.ccls. or 365/171.ccls. or 365/173.ccls. or 428/811-811.5.ccls. or 148/108.ccls.	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:53
L18	64602	exchange adj tab\$1 or AFM or antiferromag\$8 or anti adj ferromag\$6 or pinning or PtMn or FeMn or IrMn or FeMnRh or InMn or RhMn or RuMn or NiMn or PdPtMn or CrPdMn or NiO or Pt adj Mn or Fe adj Mn or Ir adj Mn or Fe adj Mn adj Rh or In adj Mn or Rh adj Mn or Ru adj Mn or Ni adj Mn or Pd adj Pt adj Mn or Cr adj Pd adj Mn or Ni adj O or (hard near2 (bias\$3 or magnet\$4)) or CoPtCr or Co-Pt-Cr	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:32
L19	392	16 and 17	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:32
L20	391	18 and 19	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:32
L21	307	@ad<="20040218" and 20	US-PGPUB; USPAT	OR	OFF	2006/06/05 19:52
L22	966	((((antiparallel or anti adj parallel or antiferromagnetic or AFM or anti adj ferromagnetic\$5) adj2 coupling\$1) or APC or SAF or synthetic\$4 adj2 (antiferromagnet\$5 or anti adj ferromagnet\$5 coupling) or AP1 or AP2 or APC1 or APC2 or AFC)) same (Cr or chromium)	US-PGPUB; USPAT	OR	OFF	2006/06/05 19:52
L23	307	21 and 22	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:49
L24	105	(CoPtCr or (cobalt near3 platinum near3 chromium) or Co-Pt-Cr or CoCrPt or (Co near3 Cr near3 Pt)) with ((fix\$4 or pin\$4) near2 (film or layer))	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:30
L25	100	17 and 24	US-PGPUB; USPAT	OR	OFF	2006/06/05 18:53

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L26	80	@ad<="20040218" and 25	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:29
L27	1	"6608738".pn.	US-PGPUB; USPAT	OR	OFF	2006/06/05 19:50
L28	3905	CPP or C adj P adj P or current adj perpendicular adj2 plane	US-PGPUB; USPAT	OR	OFF	2006/06/05 19:51
L29	88	22 and 28	US-PGPUB; USPAT	OR	OFF	2006/06/05 19:52
L30	53	@ad<="20040218" and 29	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:30
L31	39	tunnel\$3 and 30	US-PGPUB; USPAT	OR	OFF	2006/06/05 19:55
L32	1	"10/780978"	US-PGPUB; USPAT	OR	OFF	2006/06/05 21:56
L33	144	chromium with copper with advantage\$1	US-PGPUB; USPAT	OR	OFF	2006/06/05 21:57
L34	144	chromium with copper with advantage\$1	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:03
L35	227	chromium near2 advantage\$1	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:03
L36	2011	self near2 pin\$6	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:30
L37	4987	(CoPtCr or (cobalt near3 platinum near3 chromium) or Co-Pt-Cr or CoCrPt or (Co near3 Cr near3 Pt))	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:30
L38	68	36 and 37	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:30
L39	31	@ad<="20040218" and 38	US-PGPUB; USPAT	OR	OFF	2006/06/05 22:30